

CLAIMS

1. A noise suppressor unit for installing and mounting a common mode choke for a noise suppressor in a power source module onto a circuit board of the power source module, the module being arranged onto a circuit board of a plug-in unit,

wherein the noise suppressor unit comprises

a holder having a bottom surface and onto which holder the common mode choke for the noise suppressor of the power source module is arranged,

at least one lifting element for an assembly head [or the like] of an automatic assembly machine for placing the noise suppressor unit onto the circuit board of the power source module with the automatic assembly machine [or the like] and

at least one surface mounting element for surface mounting the common mode choke for the noise suppressor onto the circuit board of the power source module

wherein the lifting element is an elevation which projects substantially from the middle of the top surface of the holder, through the common mode choke.

2. The noise suppressor unit as claimed in claim 1, wherein the bottom surface of the holder is substantially even.

3. The noise suppressor unit as claimed in claim 1, wherein at least one surface mounting element is arranged in an opening in the holder so that the surface mounting element extends at least from the bottom surface of the holder to a top surface of the holder on one side of the bottom surface of the holder.

4. The noise suppressor unit as claimed in claim 1, wherein at least one surface mounting element comprises a surface mounting foot for mounting the surface mounting element to the circuit board of the power source module, and a mounting head to which the common mode choke for the noise suppressor of the power source module is coupled.

5. The noise suppressor unit as claimed in claim 4, wherein at least one mounting foot is at least partially embedded in the bottom surface of the holder.

5 6. The noise suppressor unit as claimed in claim 1,
 wherein the bottom surface of the holder is substantially even,
 wherein at least one surface mounting element comprises a surface
 mounting foot for mounting the surface mounting element to the circuit board
 of the power source module, and a mounting head to which the common
10 mode choke for the noise suppressor of the power source module is coupled,
 and

 wherein the mounting foot comprises a mounting surface which is
 substantially parallel to the bottom surface of the holder.

15 7. The noise suppressor unit as claimed in claim 1, wherein the lift-
 ing element comprises a grip surface for the assembly head or the like of the
 automatic assembly machine, the grip surface being located farther away from
 the holder than the outermost point of the common mode choke for the noise
 suppressor of the power source module.

20 8. The noise suppressor unit as claimed in claim 7, wherein the grip
 surface of the lifting element is substantially even.

25 9. The noise suppressor unit as claimed in claim 1, wherein the grip
 surface of the lifting element is substantially even and the bottom surface of
 the holder is substantially even, and wherein the bottom surface of the holder
 and the grip surface of the lifting element are substantially parallel.